October 4, 2002

Re: R.R. Donnelley & Sons 085 - 16533 - 00009

TO: Interested Parties / Applicant

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

October 4, 2002

Mr. Grant McGuire
R. R. Donnelley & Sons
P. O. Box 837
Warsaw, IN 46581-0837

Re: 085-16533
First Administrative Amendment to
Part 70 085-6040-00009

Dear Mr. McGuire:

R. R. Donnelley & Sons was issued a Part 70 permit on August 5, 2002, for the operation of a publication rotogravure printing facility. A letter requesting an administrative amendment was received on September 3, 2002. The requested changes are related to changes in description of emission units, and the correction of typographical errors. In addition, the source requested that a condition that was included in error be deleted. According to 326 IAC 2-7-11(a), administrative amendments may be used for modifications that "correct typographical errors", and "revise descriptive information where the revision will not trigger a new applicable requirement or violate a permit term". Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows (~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.1 is amended as follows:

General Source Phone No. (~~219~~ **574**) 267-7101

(2) Section A.2 is amended to correct the capacities of boilers B1, B2, and B3. The change in the capacities do not have any effect on the emissions limits or other conditions related to the boilers.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:
(a) Four (4) natural gas or No. 2 or No. 6 oil fired boilers described as follows:

(1) B1~~and B2~~, installed in July of 1971 ~~and October 1979, respectively, each~~ with a maximum rated capacity of ~~85~~ **78** MMBtu/hr,

(2) **B2 and** B3, installed in October of 1979, **each** with a maximum rated capacity of ~~78~~ **85** MMBtu/hr,

(3) B4, installed in June of 1994, with a maximum rated capacity of 98.4 MMBtu/hr.

(3) Sections A.4 and A.5 are re-numbered to correct the error in section numbers.

A.~~4~~ **3** Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

A.~~5~~ **4** Part 70 Permit Applicability [326 IAC 2-7-2]

(4) Section D.1 is amended as follows:

Facility Description [326 IAC 2-7-5(15)]
Four (4) natural gas or No. 2 or No. 6 oil fired boilers with emissions, described as follows:
(a) B1~~and B2~~, installed in July of 1971 ~~and October 1979, respectively, each~~ with a maximum rated capacity of ~~85~~ **78** MMBtu/hr,
(b) **B2 and** B3, installed in October of 1979, **each** with a maximum rated capacity of ~~78~~ **85** MMBtu/hr,
(c) B4, installed in June of 1994, with a maximum rated capacity of 98.4 MMBtu/hr.

(5) Condition D.1.1 is amended to include the equation for the stack height weighing factor as follows:

h = stack height in feet. If a number of stacks of different heights exist, the average stack height to represent "N" stacks shall be calculated by weighing each stack height with its particulate matter emission rate as follows.

$$h = \frac{\sum_{i=1}^{N} Hi \times pai \times Q}{\sum_{i=1}^{N} pai \times Q}$$

where:

pa = the actual controlled emission rate in lb/mmBtu using the emission factor from AP-42 or stack test data. Stacks contructed after January 1, 1971, shall be credited with GEP stack height only. GEP stack height shall be calculated as specified in 326 IAC 1-7.

(6) Condition D.1.5 is amended to correct a typographical error and delete a condition included in error. NSPS requirements for this boiler specifies that only natural gas or No. 2 fuel oil can be used.

(b) for boiler B4;
(1) No. 2 fuel oil consumption not to exceed a rolling 12 month average of 516 kgal per month with a sulfur content not to exceed 0.**0**5%, and
~~(2) rolling 12 month average of 318 kgal of No. 6 fuel oil per month at a 1.6% sulfur content, and~~
(~~3~~ **2**) natural gas consumption not to exceed a rolling 12 month average of 72 million cubic feet per month.

(7) Condition D.2.13 is amended to correct the reference in item (e).

D.2.13 Monitoring Requirements [326 IAC 14] [40 CFR 63.828]

To demonstrate continuing compliance with the standards of §63.824, the Permittee shall monitor and inspect the carbon adsorption solvent recovery system and the ducted solvent capture system to ensure proper operation and maintenance by implementing one of the following:
(a) Performing a liquid-liquid material balance for each month.

(b) Use of continuous compliance emission monitors that comply with the performance specifications 8 or 9 of 40 CFR 60, appendices B and F. In conducting the quarterly audits required by appendix F, the Permittee must challenge the monitors with compounds representative of the gaseous emission stream being controlled.

(c) .....(d)

(e) Any excursion from the required operating parameters which are monitored in accordance with Condition D.2.~~8~~ **13**(a) or (b), unless otherwise excused, shall be considered a violation of the applicable emission standard.

(8) Condition D.2.15 is amended to correct references and other typographical errors:

D.2.15 Record Keeping Requirements

(a) To document compliance with Conditions D.2.1, D.2.2, D.2.3, D.2.4, **D.2.5** and D.2.~~6~~ **7**, the Permittee shall maintain records in accordance with (1) through (~~7~~ **8**) below. Records maintained for (1) through (~~7~~ **8**) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP/ VOC usage limits and/or the **HAP/**VOC emission limits established in Conditions D.2.1, D.2.2, D.2.3, D.2.4, D.2.5 and D.2.7.

.....

(b) To document compliance with Condition D.2.13, the Permittee shall maintain records of the results of the inspections required under D.2.~~13~~ **14**.

(9) Condition D.2.16 is kept unchanged since the Quarterly Deviation and Compliance Monitoring Report includes requirements in Condition D.2.4.

(10) Condition D.3.4 is amended to correct references to the Operation and Maintenance Plan (OMP).

D.3.4 Work Practice Standards [326 IAC 14] [40 CFR 63.342(f)]

The following work practice standards apply to CRT-1 and CRT-2:

(a) At all times, including periods of startup, shutdown, malfunction and excess emissions, the Permittee shall operate and maintain tanks CRT-1 and CRT-2, including the composite mesh pad system with the hepafilter as control and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the Operation and Maintenance Plan (OMP) required by Condition D.3.~~6~~ **5**.

(b) Malfunctions and excess emissions shall be corrected as soon as practicable after their occurrence in accordance with the OMP required by Condition D.3.~~6~~ **5**.

.....

(e) Based on the results of a determination made under paragraph (d) of this condition, IDEM, OAQ, may require that the Permittee make changes to the OMP required by Condition D.3.~~6~~ **5**. Revisions may be required if IDEM, OAQ finds that the plan:

(11) Condition D.3.5(b) is amended to correctly refer to the section containing the OMP.

(b) The Permittee may use applicable standard operating procedures (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans such as the ~~PMP required in Condition D.3.5, as the~~ OMP, provided the alternative plans meet the above listed criteria in Condition D.3.~~6~~ **5**(a).

(12) Condition D.3.8 is amended to correct references for compliance documentation (in conditions D.3.5, D.3.6, and D.3.7), inspection and maintenance (in conditions D.3.5 and D.3.7), and notifications (in condition D.3.9).

D.3.8 Record Keeping Requirements [326 IAC 2-7-5(3)] [40 CFR 63.346]

The Permittee shall maintain records to document compliance with Conditions D.3.~~3~~ **5**, D.3.~~4~~ **6** and D.3.~~6~~ **7** using the forms provided with this permit. These records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit and include a minimum of the following:

(a) Inspection records for the air pollution control techniques, the composite mesh pad system and hepafilter and monitoring equipment to document that the inspection and maintenance required by Conditions D.3.~~7~~ **5** and D.3.~~9~~ **7** have taken place. The record can take the form of a checklist and should identify the following:

.....

(k) All documentation supporting the notifications and reports required by 40 CFR 63.9 and 63.10 (Subpart A, General Provisions) and by Condition D.3.~~11~~ **9**.

(13) Condition D.3.9(c) is amended to delete requirements that are only applicable to area sources of HAPs (per 40 CFR 63.347(h)(2)). This source is a major source of HAPs.

(1) This report shall be submitted semiannually on a calendar year basis, unless otherwise directed by IDEM, OAQ. The report shall be submitted within thirty (30) days after the end of each reporting period (which ends June 30 and December 31 respectively).

(2) If the monitoring data collected by the Permittee in accordance with 40 CFR 63.343(c) show that the emission limit has been exceeded, quarterly reports shall be submitted.

Once the Permittee reports an exceedance as defined above, Ongoing Compliance Status Reports shall be submitted quarterly until a request to reduce reporting frequency in accordance with 40 CFR 63.347(g)(2) is approved.

(~~1~~ **3**) IDEM, OAQ may determine on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of this facility.

~~(2) If either of the following conditions are met, semiannual reports shall be prepared and submitted to IDEM, OAQ:~~

~~(A) The total duration of excess emissions (as indicated by the monitoring data collected by the Permittee in accordance with 40 CFR 63.343(c)) is one percent (1%) or greater of the total operating time as defined in Condition D.3.8(b) for the reporting period; or~~

~~(B) The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is five percent (5%) or greater of the total operating time as defined in Condition D.3.8(b).~~

~~Once the Permittee reports an exceedance as defined above, Ongoing Compliance Status Reports shall be submitted semiannually until a request to reduce reporting frequency in accordance with 40 CFR 63.347(g)(2) is approved.~~

~~(3) IDEM, OAQ may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.~~

(14) Condition D.4.7 is amended to match the requirements in condition D.4.4.

D.4.7 Record Keeping Requirements

(a) To document compliance with D.4.2(c), the Permittee shall maintain monthly records of paper throughput to the three (3) waste paper concentrators (WPCON-3, WPCON-4, and WPCON-5), and the two (2) cyclones (WPC-1 and WPC-2).

(b) To document compliance with Condition D.4.4, the Permittee shall maintain records of ~~daily~~ **weekly** visible emission notations of the waste paper collection system stack exhaust.

(15) The Chromium emission limit specified in Condition D.3.3 and in the corresponding Compliance Status Report are amended as follows:

D.3.3 Chromium Emissions Limitation [40 CFR 63.342(c)] [40 CFR 63.343(a)(1)&(2)]

(a) The emission limitations in this condition apply only during tank operation, and also apply during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.

(b) During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from tanks by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed ~~one-hundredth milligrams of total chromium per dry standard cubic meter of ventilation air (~~0.015 **milligrams of total chromium per dry standard cubic meter (**mg/dscm) [equivalent to six and six-tenths times ten raised to the power of negative six grains of total chromium per dry standard cubic foot of ventilation air ($6.6x10^{-6}$ gr/dscf)].

CHROMIUM ELECTROPLATING AND ANODIZING NESHAP ONGOING COMPLIANCE STATUS REPORT

Source Name:	R.R. Donnelley & Sons Company - Warsaw Manufacturing Division
Source Address:	2801 West Old Route 30, Warsaw, Indiana 46581
Mailing Address:	Old Route 30 West, P.O. Box 837, Warsaw, Indiana 46581-0837
Part 70 Permit No.:	T 085-6040-00009
Tank ID #:	CRT-1 and CRT-2
Type of process:	Hard
Monitoring Parameter:	Pressure drop
Parameter Value:	6.1 ±1 inch of water
Limits:	Total chromium concentration may not exceed 0.01**5** mg/dscm

(16) The Part 70 Quarterly Report for Press WRO-490 is modified as shown below. This modification was done to match the requirements in the corresponding condition D.2.2(b), which does not include a monthly average limit for VOC input.

Source Name:	R.R. Donnelley & Sons Company - Warsaw Manufacturing Division
Source Address:	2801 West Old Route 30, Warsaw, Indiana 46581
Mailing Address:	Old Route 30 West, P.O. Box 837, Warsaw, Indiana 46581-0837
Part 70 Permit No.:	T 085-6040-00009
Facility:	Press WRO-490
Parameter:	Volatile Organic Compound (VOC) input
Limit:	4910 tons per **year** ~~month~~ ~~(409.2 tons per month)~~ rolled on a 12 month basis

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
mm
cc: File - Kosciusko County
U.S. EPA, Region V
Kosciusko County Health Department
Northern Regional Office
Air Compliance Section Inspector - Doyle Houser
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

R.R. Donnelley & Sons Company - Warsaw Manufacturing Division
2801 West Old Route 30
Warsaw, Indiana 46581-0837

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T085-6040-00009	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: August 5, 2002 Expiration Date: August 5, 2007

First Administrative Amendment No. 085-16533	Pages Modified:6, 8, 28, 28a, 29, 37-43, 46, 51, 53
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: October 4, 2002

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a publication rotogravure printing operation.

Responsible Official:	Grant McGuire
Source Address:	2801 West Old Route 30, Warsaw Indiana 46581-0837
Mailing Address:	Old Route 30 West, P.O. Box 837, Warsaw, Indiana 46581
General Source Phone No.	(574) 267-7101
SIC Code:	2754
County Location:	Kosciusko
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major, under PSD Rules; Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) Four (4) natural gas or No. 2 or No. 6 oil fired boilers described as follows:

(1) B1, installed in July of 1971, with a maximum rated capacity of 78 MMBtu/hr,

(2) B2 and B3, installed in October of 1979, each with a maximum rated capacity of 85 MMBtu/hr,

(3) B4, installed in June of 1994, with a maximum rated capacity of 98.4 MMBtu/hr.

(a) Fourteen (14) publication rotogravure printing presses, each using a carbon adsorption solvent recovery system with seventeen (17) adsorbers as control, described as follows:

(1) WR-429, installed in September of 1985, a tandem press with a maximum printing width of 70 inches and a maximum line speed of 2460 feet per minute, and enclosed by permanent total enclosure (PTE),

(2) WRO-486, installed in December of 1970, with a maximum printing width of 69 inches and a maximum line speed of 1600 feet per minute,

(3) WRO-487, installed in December of 1971, with a maximum printing width of 69 inches and a maximum line speed of 2000 feet per minute,

(4) WRO-488 and WRO-489, installed in March of 1979 and September of 1978, respectively, with each press having a maximum printing width of 70 inches and a maximum line speed of 2460 feet per minute,

(5) WRO-490, installed in July of 1990, a tandem press with a maximum printing width of 70 inches and a maximum line speed of 2756 feet per minute,

(6) WRO-491, and WRO-492, and WRO-493 and WRO-494, not yet installed, with each press having a maximum printing width of 125 inches and a maximum line speed of 3000 feet per minute, and enclosed by permanent total enclosure

concentrator, EPCON-5, with air exhausting to one (1) baghouse, EPBH-E,

(7) One (1) cyclone, identified as EPC-4, with concentrated dust sent to one (1) dust auger, silo, and baghouse (EPBH-F) system (identified as an insignificant activity) with air exhausting to one (1) baghouse, EPBH-D,

(j) One (1) pneumatic paper trim collection system located in the west plant and consisting of:
(1) One (1) cyclone, identified as WPC-1, installed in June of 1969,
(2) One (1) cyclone, identified as WPC-2, installed in June of 1969,
(3) One (1) cyclone concentrator, identified as WPCON-3, installed in August of 1993, modified in June 2002, with concentrated paper sent primarily to a cyclone, WPC-1 or secondarily to WPC-2, exhausting to one (1) baghouse, WPBH, installed in August of 1993,
(4) One (1) baghouse, identified as WPBH, with collected dust sent to cyclone, WPC-1 or WPC-2, with air exhausting to the bindery,
(5) One (1) cyclone concentrator, identified as WPCON-4, installed in August of 1993, modified June 2002, which has a maximum capacity of 10,500 pounds per hour, with concentrated paper sent primarily to cyclone WPC-1, or secondarily to WPC-2,
(6) One (1) cyclone concentrator, identified as WPCON-5, installed in June 2002, which has a maximum capacity of 10,500 pounds per hour, with concentrated paper sent primarily to cyclone WPC-1, or secondarily to WPC-2.

(k) Six (6) cylinder making finishing sinks located in the east plant, identified as EPFS-1 through EPFS-6, installed in September of 1994,

(l) One (1) wastewater treatment system located in the east plant and consisting of:
(1) One (1) 3000 gallon solvent/water separator, identified as WWT-1, installed in 1996,

(2) One (1) 1000 gallon solvent/water separator, identified as WWT-2, installed in 1985,

(3) One (1) 17,800 gallon air sparging tank, identified as WWT-3, installed in 1985.

(m) One (1) cylinder making finishing sink station located in the west plant, identified as WPFS-1, installed in April of 1990,

(n) Thirty-seven (37) storage tanks, installed in dates ranging from 1960 through 1989, (specific dates are discussed in the Technical Support Document).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1 (21) that have applicable requirements. All insignificant activities are listed in the attached Technical Support Document.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]
Four (4) natural gas or No. 2 or No. 6 oil fired boilers with emissions, described as follows:
(a) B1, installed in July of 1971, with a maximum rated capacity of 78 MMBtu/hr,
(b) B2 and B3, installed in October of 1979, each with a maximum rated capacity of 85 MMBtu/hr,
(c) B4, installed in June of 1994, with a maximum rated capacity of 98.4 MMBtu/hr.
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Particulate Matter Limitation (PM) [326 IAC 6-2]

(a) Pursuant to 326 IAC 6-2-3 (a) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (c)), particulate emissions from boilers B1, B2, and B3 shall be limited to 0.8, 0.34, and 0.34 pounds of particulate matter per MM Btu of heat input, respectively, by the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where Pt = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input;
C = maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter ($\mu g/m^3$) for a period not to exceed a sixty (60) minute time period;
Q = total source maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input;
N = number of stacks in fuel burning operation;
a = plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input; and
h = stack height in feet. If a number of stacks of different heights exist, the average stack height to represent "N" stacks shall be calculated by weighing each stack height with its particulate matter emission rate as follows.

$$h = \frac{\sum_{i=1}^{N} Hi \times pai \times Q}{\sum_{i=1}^{N} pai \times Q}$$

where:

pa = the actual controlled emission rate in lb/mmBtu using the emission factor from AP-42 or stack test data. Stacks contructed after January 1, 1971, shall be credited with GEP stack height only. GEP stack height shall be calculated as specified in 326 IAC 1-7.

(b) Pursuant to 326 IAC 6-2-4 (a) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (d)), particulate emissions from boiler B4 shall be limited to 0.24 pounds of PM per MM Btu by the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where Pt = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input; and
Q = total source maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input.

D.1.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations), the SO_2 emissions from the ninety-eight and four-tenths (98.4) MMBtu per hour boiler B4 shall not exceed five tenths (0.5) pounds per

million Btu heat input when burning distillate fuel oil.

D.1.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from the seventy-eight (78) MMBtu per hour and the two (2) eighty-five (85) MMBtu per hour oil-fueled boilers identified as B1, B2, and B3, respectively, shall not exceed five-tenths (0.5) pounds per MMBtu heat input when burning distillate oil, or one and six-tenths (1.6) pounds per MMBtu heat input when burning residual oil.

D.1.4 NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc] [326 IAC 12]

Boiler B4 has a capacity greater than 10 MMBtu per hour and was constructed after the NSPS applicability date of June 9, 1989, therefore, it is subject to this NSPS. Pursuant to this rule, the sulfur dioxide emissions from boiler B4 shall be limited to 0.5 pounds per million Btu of heat input. Boiler B4 shall be deemed in compliance with this rule when using either natural gas or No. 2 distillate fuel oil containing not in excess of 0.5% sulfur. No gases discharged from Boiler B4 shall exhibit greater than 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.

D.1.5 Sulfur Dioxide (SO_2) and Oxides of Nitrogen (NO_x) PSD Synthetic Minor Limitations [326 IAC 2-2][40 CFR 52.21]

This source is a major PSD source and boilers B1, B2, B3, and B4 shall have the following SO_2 limits:

(a) for boilers B1 and B2;

(1) 0.5 lb of SO_2 per MM Btu for distillate oil combustion.

(2) 1.6 lb of SO_2 per MM Btu for residual oil combustion.

(3) combined SO_2 emissions from B1 and B2 shall not exceed 245 tons per rolling 12 month average. 3[{(B1 No. 6 fuel oil usage per month + B2 No. 6 fuel oil usage per month)*(SO_2 EF (emission factor) for No. 6 fuel)} + {(B1 No. 2 fuel oil usage per month + B2 No. 2 fuel oil usage per month)*(SO_2 EF for No. 2 fuel)}]# an average of 245 tons per 12 consecutive month period rolled on a monthly basis, where the EF for No. 6 fuel and the EF for No.2 fuel shall be based on the sulfur content of the fuel burned and the AP-42 emission factors for boilers of less than 100 MMBtu/hr from Table 1.3-1 of AP-42 updated September 1998.

(b) for boiler B4;

(1) No. 2 fuel oil consumption not to exceed a rolling 12 month average of 516 kgal per month with a sulfur content not to exceed 0.05%, and

(2) natural gas consumption not to exceed a rolling 12 month average of 72 million cubic feet per month.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the boilers.

Compliance Determination Requirements

comments received from IDEM, OAQ require an alternate monitoring scheme.

(e) Any excursion from the required operating parameters which are monitored in accordance with Condition D.2.13(a) or (b), unless otherwise excused, shall be considered a violation of the applicable emission standard.

D.2.14 Carbon Adsorption Unit Monitoring

(a) An inspection shall be performed each calendar quarter of the carbon adsorption unit controlling the parts and cylinder washers. All defective beds shall be repaired or replaced. The Permittee is not required to shut down the system in order to conduct the quarterly inspection. The Permittee shall monitor and inspect the carbon adsorption solvent recovery system and the ducted solvent capture system to ensure proper operation and maintenance.

(b) In the event that a failure of the carbon adsorber has been observed, the affected compartments will be shut down immediately until the failed units have been repaired or replaced.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.15 Record Keeping Requirements

(a) To document compliance with Conditions D.2.1, D.2.2, D.2.3, D.2.4,D.2.5 and D.2.7, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (8) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP/ VOC usage limits and/or the HAP/VOC emission limits established in Conditions D.2.1, D.2.2, D.2.3, D.2.4, D.2.5 and D.2.7.

(1) The VOC and HAP content of the inks and cleaning solvents used for each month;

(2) The cleanup solvent usage for each month;

(3) The total VOC and HAP usage for each month; and

(4) The weight of VOCs and HAPs emitted for each compliance period.

(5) The liquid-liquid material balances performed in accordance with §63.824.

(6) Other applicable record keeping requirements as specified in §63.829 to demonstrate compliance with 40 CFR 63.824, Conditions D.2.4 and D.2.6.

(g) The monthly average recovery efficiency for the carbon adsorption system.

(8) The malfunction reports of the systems as specified in Condition D.2.8.

(b) To document compliance with Condition D.2.13, the Permittee shall maintain records of the results of the inspections required under D.2.14.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.16 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.2, D.2.3, and D.2.4 and the compliance and performance testing reports required by 40 CFR §63.830 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:
Two (2) chromium plating lines, CRT-1 and CRT-2, installed in September of 1994, using a composite mesh pad system with a hepafilter as control, each having two (2) rectifiers with a maximum combined capacity of 10,000 amps.
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR Part 63, Subpart A]
The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 63, Subpart N.

D.3.2 Chromium Electroplating and Anodizing NESHAP [326 IAC 20-8-1] [40 CFR Part 63, Subpart N]
The provisions of 40 CFR 63, Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, which are incorporated by reference as 326 IAC 20-8-1, apply to tanks, CRT-1 and CRT-2. A copy of this rule is attached.

D.3.3 Chromium Emissions Limitation [40 CFR 63.342(c)] [40 CFR 63.343(a)(1)&(2)]

(a) The emission limitations in this condition apply only during tank operation, and also apply during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.

(b) During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from tanks by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 milligrams of total chromium per dry standard cubic meter (mg/dscm [equivalent to six and six-tenths times ten raised to the power of negative six grains of total chromium per dry standard cubic foot of ventilation air ($6.6x10^{-6}$ gr/dscf)].

D.3.4 Work Practice Standards [326 IAC 14] [40 CFR 63.342(f)]
The following work practice standards apply to CRT-1 and CRT-2:

(a) At all times, including periods of startup, shutdown, malfunction and excess emissions, the Permittee shall operate and maintain tanks CRT-1 and CRT-2, including the composite mesh pad system with the hepafilter as control and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the Operation and Maintenance Plan (OMP) required by Condition D.3.5.

(b) Malfunctions and excess emissions shall be corrected as soon as practicable after their occurrence in accordance with the OMP required by Condition D.3.5.

(c) These operation and maintenance requirements are enforceable independent of emissions limitations or other requirements in this section.

(d) Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to IDEM, OAQ, which may include, but is not limited to, monitoring results; review of the OMP, procedures, and records; and inspection of the source.

(e) Based on the results of a determination made under paragraph (d) of this condition, IDEM, OAQ, may require that the Permittee make changes to the OMP required by

Condition D.3.5. Revisions may be required if IDEM, OAQ finds that the plan:

(a) Does not address a malfunction or period of excess emissions that has occurred;

(b) Fails to provide for the operation of tanks CRT-1 and CRT-2, the composite mesh pad system with hepafilter and process monitoring equipment during a malfunction or period of excess emissions in a manner consistent with good air pollution control practices; or

(c) Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, monitoring equipment or other causes of excess emissions as quickly as practicable.

The work practice standards that address operation and maintenance must be followed during malfunctions and periods of excess emissions.

D.3.5 Operation and Maintenance Plan [326 IAC 14] [40 CFR 63.342(f)(3)]

(a) The Permittee shall prepare an Operation and Maintenance Plan (OMP) to be implemented no later than the startup date of tanks CRT-1 and CRT-2. The OMP shall specify the operation and maintenance criteria for tanks, the composite mesh pad and hepafilter and monitoring equipment and shall include the following elements:

(a) For the composite mesh-pad system (CMP):

(a) Quarterly visual inspections of the device to ensure there is proper drainage, no chromic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the device.

(b) Quarterly visual inspection of the back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist.

(c) Quarterly visual inspection of the duct work from the tank to the control device to ensure there are no leaks.

(d) Perform wash down of the composite mesh-pads in accordance with manufacturers recommendations.

(b) The Permittee may use applicable standard operating procedures (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans such as the OMP, provided the alternative plans meet the above listed criteria in Condition D.3.5(a).

(c) If the OMP fails to address or inadequately addresses an event that meets the characteristics of a malfunction or period of excess emissions at the time the plan is initially developed, the Permittee shall revise the OMP within forty-five (45) days after such an event occurs. The revised plan shall include procedures for operating and maintaining tanks, the air pollution control device, the add-on air pollution control device and the monitoring equipment, during similar malfunction or period of excess emissions events, and a program for corrective action for such events.

(d) If actions taken by the Permittee during periods of malfunction or period of excess emissions are inconsistent with the procedures specified in the OMP, the Permittee shall record the actions taken for that event and shall report by phone such actions within two (2) working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven (7) working days after the end of the event, unless the Permittee makes alternative reporting arrangements, in advance, with IDEM, OAQ.

(e) The Permittee shall keep the written OMP on record after it is developed to be made available, upon request, by IDEM, OAQ for the life of tanks or until the tank is no longer

subject to the provisions of 40 CFR 63.340. In addition, if the OMP is revised, the Permittee shall keep previous versions of the OMPs on record to be made available for inspection, upon request by IDEM, OAQ for a period of five (5) years after each revision to the plan.

(f) Compliance with the requirements of this OMP satifies the requirements of the Preventive Maintenance Plan (PMP) required under 326 IAC 2-7-5 (13).

Compliance Determination Requirements [326 IAC 2-1.1-11] [326 IAC 2-7-6(1)]

D.3.6 Performance Testing [326 IAC 2-1.1-11][326 IAC 2-7-6(1)] [40 CFR 63.343(b)(2)] [40 CFR 63.7] [40 CFR 63.344]

(a) A performance test demonstrating initial compliance for tanks CRT-1 and CRT-2 was performed on April 16-18, 1998. During the initial performance test, it was determined that the average pressure drop across the composite mesh pad system was 6.1 inches of water and the average outlet chromium concentration is 0.0012 mg/dscm.

(b) The Permittee is not required to further test tanks CRT-1 and CRT-2 by this permit. However, the IDEM may require testing when necessary to determine if the tanks are in compliance. If testing is required by the IDEM, compliance with the limit specified in Condition D.3.3 shall be determined by a performance test conducted in accordance with 40 CFR 63.344 and Section C - Performance Testing.

(c) Any change, modification, or reconstruction of these tanks, the composite mesh pad system and hepafilters or monitoring equipment may require additional performance testing conducted in accordance with 40 CFR 63.344 and Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.7 Monitoring to Demonstrate Continuous Compliance [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 63.343(c)]

Pursuant to 40 CFR 63.343(c)(1)(ii), when using a composite mesh-pad system to comply with the limit specified in Condition D.3.3, the Permittee shall monitor and record the pressure drop across the composite mesh-pad system during tank operation once each day that either chromium electroplating tank is operating. To be in compliance with the standards, the composite mesh-pad system shall be operated within ±1 inch of water column of the pressure drop value established during the initial performance test, or within the range of compliant values for pressure drop established during multiple performance tests.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.8 Record Keeping Requirements [326 IAC 2-7-5(3)] [40 CFR 63.346]

The Permittee shall maintain records to document compliance with Conditions D.3.5, D.3.6 and D.3.7 using the forms provided with this permit. These records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit and include a minimum of the following:

(a) Inspection records for the air pollution control techniques, the composite mesh pad system and hepafilter and monitoring equipment to document that the inspection and maintenance required by Conditions D.3.5 and D.3.7 have taken place. The record can take the form of a checklist and should identify the following:

(1) The device inspected;

(2) The date of inspection;

(3) A brief description of the working condition of the device during the inspection, including any deficiencies found; and

(4) Any actions taken to correct deficiencies found during the inspection, including the date(s) such actions were taken.

(b) Records of all maintenance performed on tanks CRT-1 and CRT-2, the composite mesh pad system and hepafilter and monitoring equipment.

(c) Records of the occurrence, duration, and cause (if known) of each malfunction of tanks CRT-1 and CRT-2, the composite mesh pad and hepafilter and monitoring equipment.

(d) Records of the occurrence, duration, and cause (if known) of each period of excess emissions of tanks CRT-1 and CRT-2, the composite mesh pad and hepafilter and monitoring equipment as indicated by monitoring data collected in accordance with this condition.

(e) Records of actions taken during periods of malfunction or excess emissions when such actions are inconsistent with the OMP.

(f) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the OMP.

(g) Test reports documenting results of all performance tests.

(h) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance.

(i) Records of monitoring data required by 40 CFR 63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected.

(j) The total process operating time of each tank, during the reporting period.

(k) All documentation supporting the notifications and reports required by 40 CFR 63.9 and 63.10 (Subpart A, General Provisions) and by Condition D.3.9.

D.3.9 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 3-6-4(b)] [40 CFR 63.344(a), 63.345 and 63.347]

The notifications and reports required in this section shall be submitted to IDEM, OAQ using the address specified in Section C - General Reporting Requirements. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(a) Notifications:

(1) Initial Notifications
The Permittee shall notify IDEM, OAQ in writing that the source is subject to 40 CFR Part 63, Subpart N. The notification shall be submitted no later than one hundred eighty (180) days after the compliance date and shall contain the information listed in 40 CFR 63.347(c)(1).

(2) A Notification of Compliance Status (NCS) is required each time that the facility becomes subject to the requirements of 40 CFR Part 63 Subpart N.

(A) The NCS shall be submitted to IDEM, OAQ, and shall list, for each tank, the information identified in 40 CFR 63.347(e)(2).

(B) The NCS for tanks CRT-1 and CRT-2 was submitted to IDEM, OAQ.

(3) Notification of Construction or Reconstruction
Pursuant to 40 CFR 63.345(b)(1), the Permittee may not construct a new tank subject to 40 CFR 63, Subpart N (including non-affected tanks defined in 40

CFR 63.344(e)) without submitting a Notification of Construction or Reconstruction (NCR) to IDEM, OAQ. In addition, the Permittee may not change, modify, or reconstruct tanks CRT-1 and CRT-2 without submitting a Notification of Construction or Reconstruction (NCR) to IDEM, OAQ.

(A) The NCR shall contain the information identified in 40 CFR 63.345(b) (2) and (3).

(B) A change, modification, or reconstruction of this facility includes any change in the air pollution control techniques, the addition of add-on control devices, or the construction of duct work for the purpose of controlling both existing tanks and non-affected facilities by a common control technique or device.

(C) A complete application to construct new chromium electroplating or chromium anodizing tanks serves as this notification. Likewise, the complete application to modify or reconstruct tanks CRT-1 and CRT-2 serves as this notification.

(D) Pursuant to 326 IAC 2-1.1-2(a), permission must be received from IDEM, OAQ before construction, modification, or reconstruction may commence.

(b) Performance Test Results

The Permittee shall document results from the initial performance test and any future performance tests in a complete test report that contains the information required in 40 CFR 344(a).

The Permittee shall submit reports of performance test results as part of the Notification of Compliance Status, described in 40 CFR 63.347(e), no later than forty-five (45) days following the completion of the performance test.

(c) Ongoing Compliance Status Report

The Permittee shall prepare summary reports to document the ongoing compliance status of tanks CRT-1 and CRT-2 using the Ongoing Compliance Status Report form provided with this permit. This report shall contain the information specified in 40 CFR 63.347(g)(3).

Because tanks CRT-1 and CRT-2 are located at a site that is a major source of hazardous air pollutants (HAPs), the Ongoing Compliance Status Report shall be completed and submitted according to the following schedule.

(1) This report shall be submitted semiannually on a calendar year basis, unless otherwise directed by IDEM, OAQ. The report shall be submitted within thirty (30) days after the end of each reporting period (which ends June 30 and December 31 respectively).

(2) If the monitoring data collected by the Permittee in accordance with 40 CFR 63.343(c) show that the emission limit has been exceeded, quarterly reports shall be submitted.

Once the Permittee reports an exceedance as defined above, Ongoing Compliance Status Reports shall be submitted quarterly until a request to reduce reporting frequency in accordance with 40 CFR 63.347(g)(2) is approved.

(3) IDEM, OAQ may determine on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of this facility.

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venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.

D.4.6 Broken Bag or Failure Detection

In the event that bag failure has been observed:

(a) Within eight (8) hours of the determination of failure, response steps including a timetable for completion shall be devised.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.7 Record Keeping Requirements

(a) To document compliance with D.4.2(c), the Permittee shall maintain monthly records of paper throughput to the three (3) waste paper concentrators (WPCON-3, WPCON-4, and WPCON-5), and the two (2) cyclones (WPC-1 and WPC-2).

(b) To document compliance with Condition D.4.4, the Permittee shall maintain records of weekly visible emission notations of the waste paper collection system stack exhaust.

(c) To document compliance with Condition D.4.5, the Permittee shall maintain records of the results of the inspections required under Condition D.4.5 and the dates the vents are redirected.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.4.8 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.2(c)shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the report forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
PART 70 OPERATING PERMIT
CHROMIUM ELECTROPLATING AND ANODIZING NESHAP
ONGOING COMPLIANCE STATUS REPORT

Source Name:	R.R. Donnelley & Sons Company - Warsaw Manufacturing Division
Source Address:	2801 West Old Route 30, Warsaw, Indiana 46581
Mailing Address:	Old Route 30 West, P.O. Box 837, Warsaw, Indiana 46581-0837
Part 70 Permit No.:	T 085-6040-00009
Tank ID #:	CRT-1 and CRT-2
Type of process:	Hard
Monitoring Parameter:	Pressure drop
Parameter Value:	6.1 ±1 inch of water
Limits:	Total chromium concentration may not exceed 0.015 mg/dscm

This form is to be used to report compliance for the Chromium Electroplating and Anodizing NESHAP only.
The frequency for completing this report may be altered by IDEM, OAQ, Compliance Branch.

Companies classified as a major source: ***Submit this report no later than 30 days after the end of the reporting period.***

Companies classified as an area source: ***Complete this report no later than 30 days after the end of the reporting period, and retain on site unless otherwise notified.***

This form consists of 2 pages **Page 1 of 2**

BEGINNING AND ENDING DATES OF THE REPORTING PERIOD:
TOTAL OPERATING TIME OF THE TANK DURING THE REPORTING PERIOD:

MAJOR AND AREA SOURCES: CHECK ONE	
9	NO DEVIATIONS OF THE MONITORING PARAMETER ASSOCIATED WITH THIS TANK FROM THE COMPLIANT VALUE OR RANGE OF VALUES OCCURRED DURING THIS REPORTING PERIOD.
9	THE MONITORING PARAMETER DEVIATED FROM THE COMPLIANT VALUE OR RANGE OF VALUES DURING THIS REPORTING PERIOD (THUS INDICATING THE EMISSION LIMITATION MAY HAVE BEEN EXCEEDED, WHICH COULD RESULT IN MORE FREQUENT REPORTING).

AREA (I.E., NON-MAJOR) SOURCES OF HAP ONLY:
IF DEVIATIONS OCCURRED, LIST THE AMOUNT OF TANK OPERATING TIME EACH MONTH THAT MONITORING RECORDS SHOW THE MONITORING PARAMETER DEVIATED FROM THE COMPLIANT VALUE OR RANGE OF VALUES.

JAN	APR	JUL	OCT
FEB	MAY	AUG	NOV
MAR	JUN	SEP	DEC

HARD CHROME TANKS / MAXIMUM RECTIFIER CAPACITY LIMITED IN ACCORDANCE WITH 40 CFR 63.342(c)(2) ONLY:
LIST THE ACTUAL AMPERE-HOURS CONSUMED (BASED ON AN AMP-HR METER) BY THE INDIVIDUAL TANK.

JAN	APR	JUL	OCT
FEB	MAY	AUG	NOV
MAR	JUN	SEP	DEC

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: R.R. Donnelley & Sons Company - Warsaw Manufacturing Division
Source Address: 2801 West Old Route 30, Warsaw, Indiana 46581
Mailing Address: Old Route 30 West, P.O. Box 837, Warsaw, Indiana 46581-0837
Part 70 Permit No.: T 085-6040-00009
Facility: Press WRO-490
Parameter: Volatile Organic Compound (VOC) input
Limit: 4910 tons per year rolled on a 12 month basis

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.